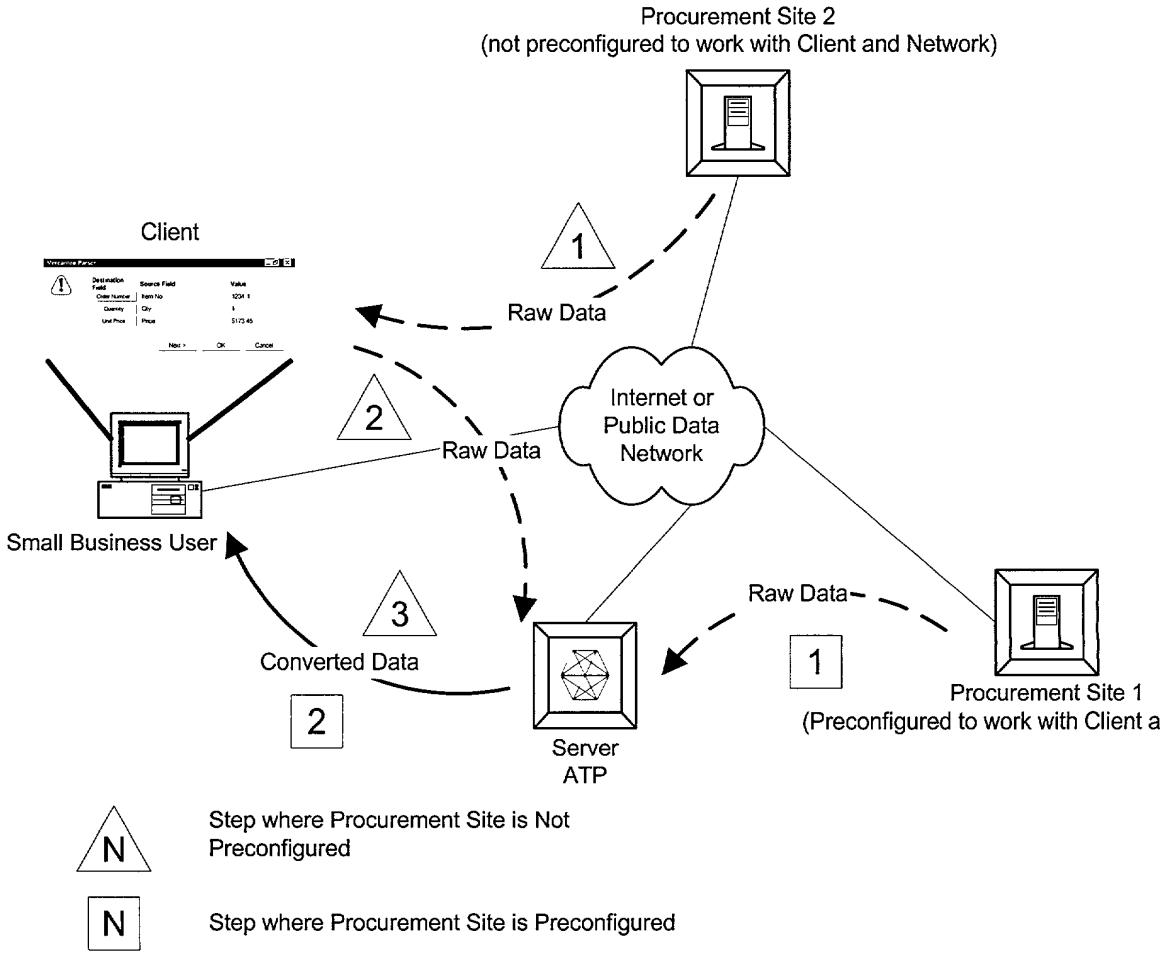

Procurement Site 2
(not preconfigured to work with Client and Network)
Client
1
Raw Data
2
Raw Data
Internet or
Public Data
Network
Small Business User
3
Converted Data
2
Raw Data
1
Procurement Site 1
(Preconfigured to work with Client a
Server
ATP
N
Step where Procurement Site is Not
Preconfigured
N
Step where Procurement Site is Preconfigured

Figure 1

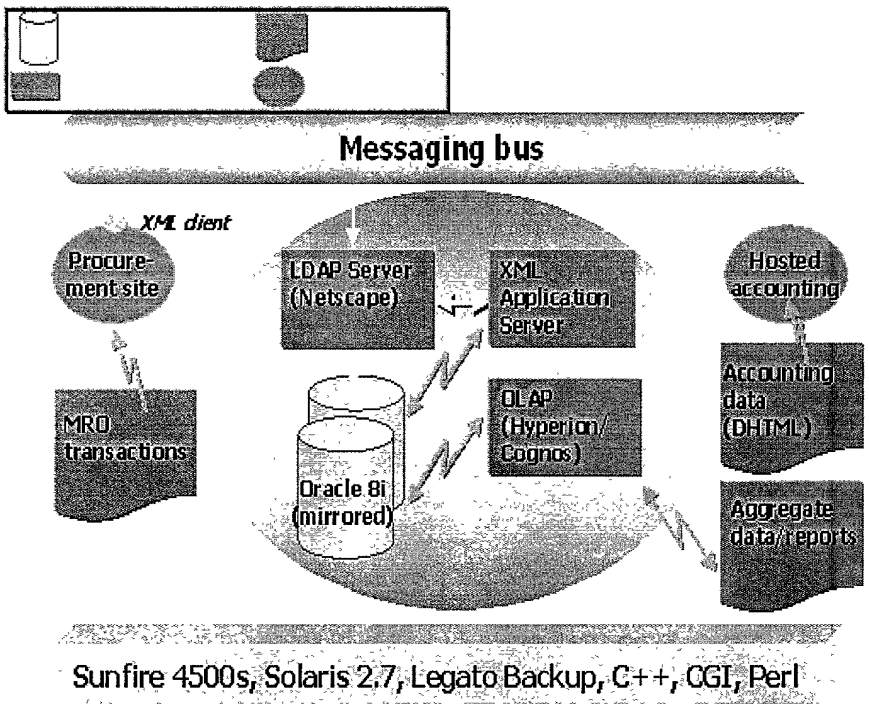

Messaging bus
XML client
Procure-ment site
LDAP Server (Netscape)
XML Application Server
Hosted accounting
MRO transactions
Oracle 8i (mirrored)
OLAP (Hyperion/ Cognos)
Accounting data (DHTML)
Aggregate data/reports
Sunfire 4500s, Solaris 2.7, Legato Backup, C++, CGI, Perl

Figure 2

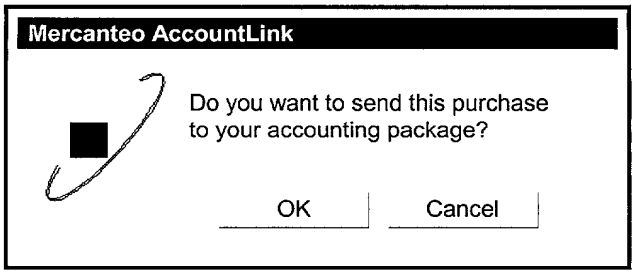


Figure 3

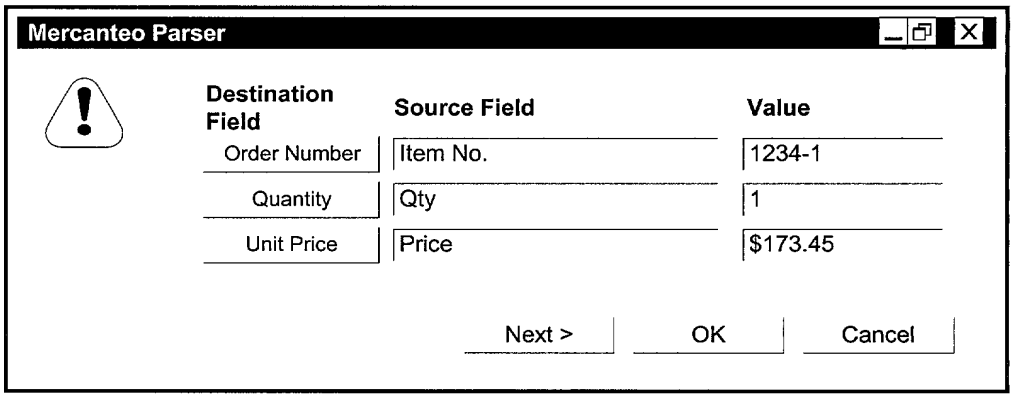


Figure 4

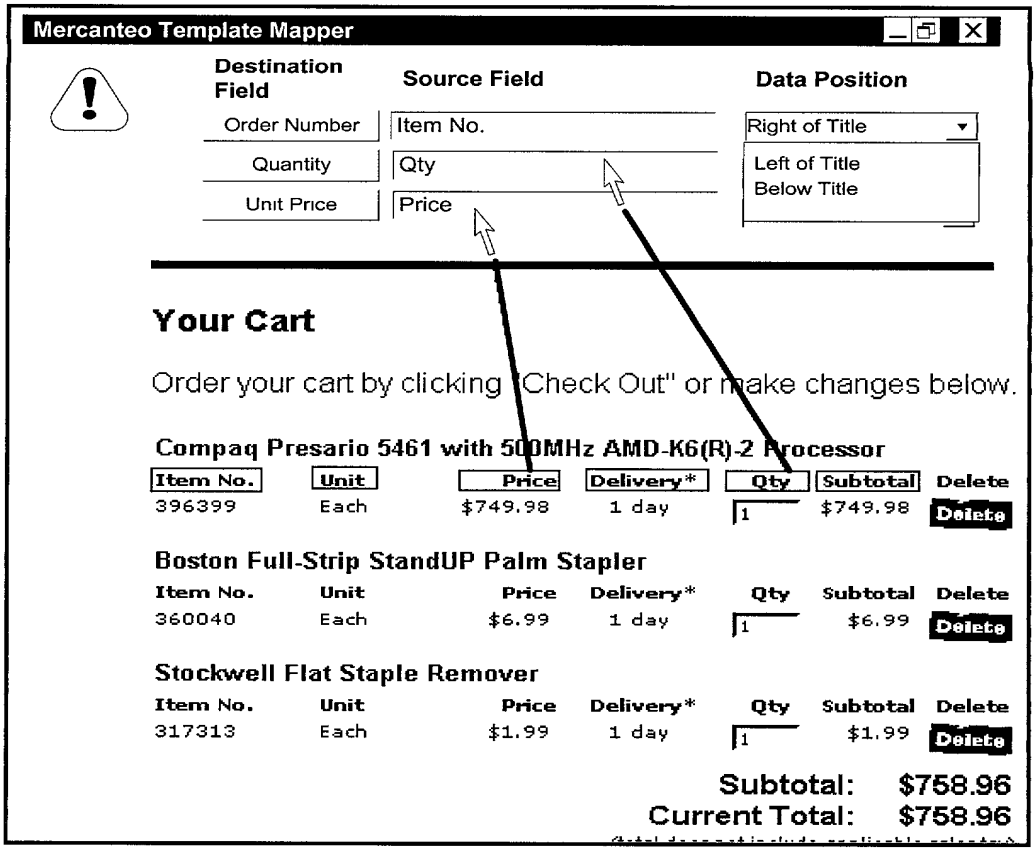


Figure 5

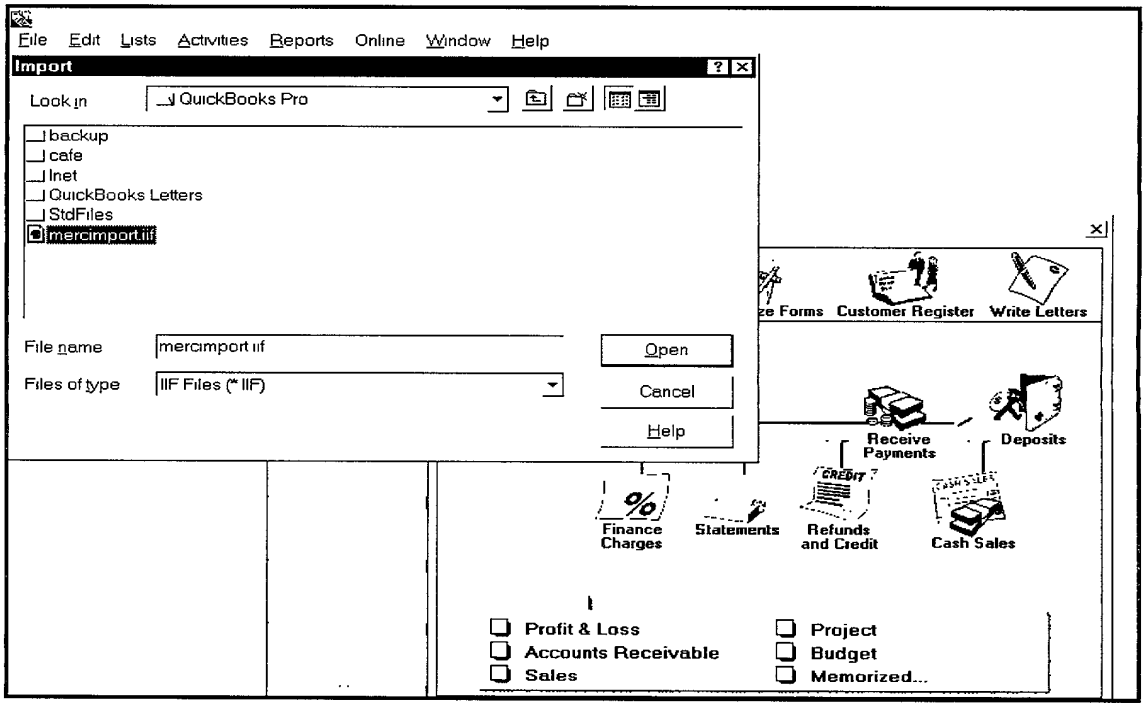


Figure 6

User Registration

1. User Registration

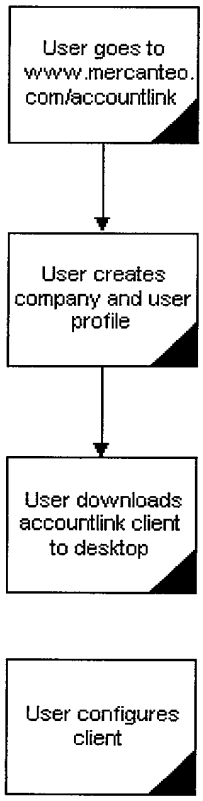


Figure 7A

Create Template

3. Create Template

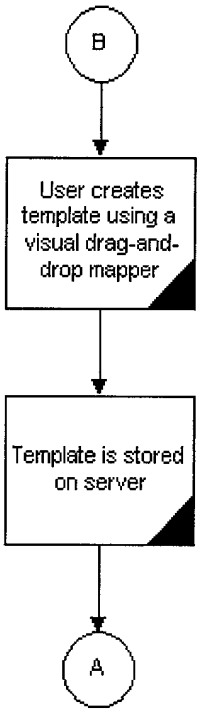


Figure 7C

Recall Transaction

4. Recall Past Transactions

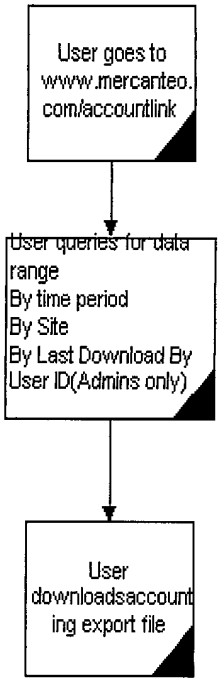


Figure 7D

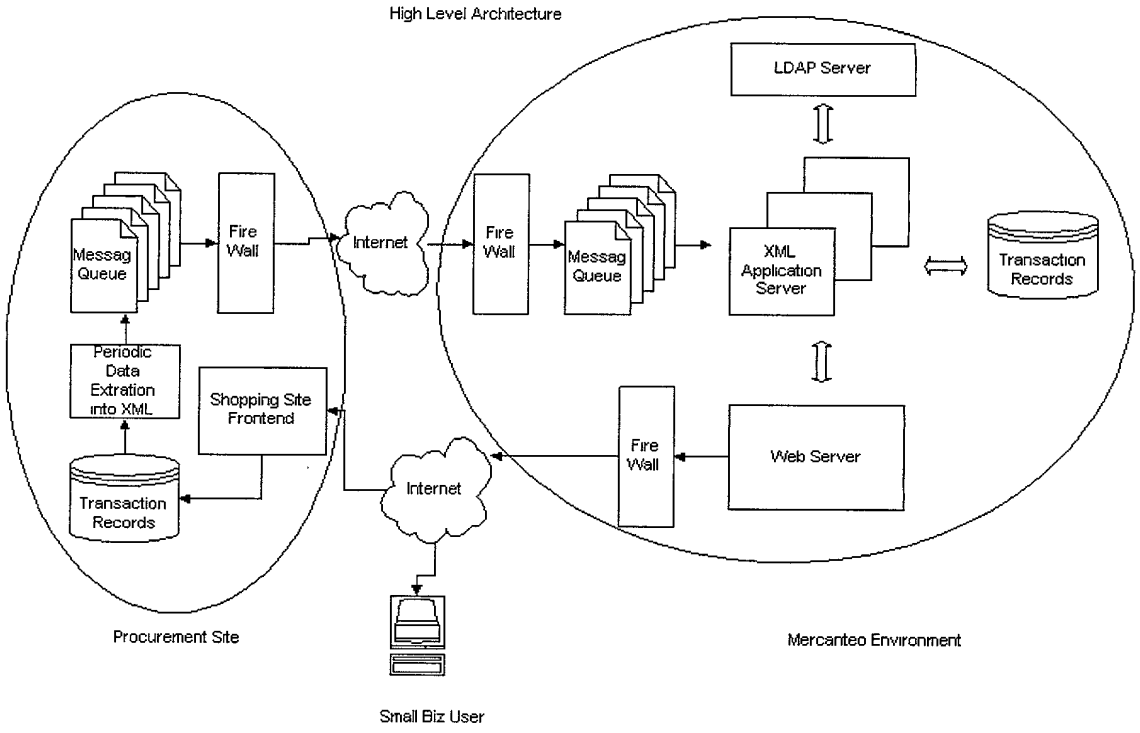


Figure 8

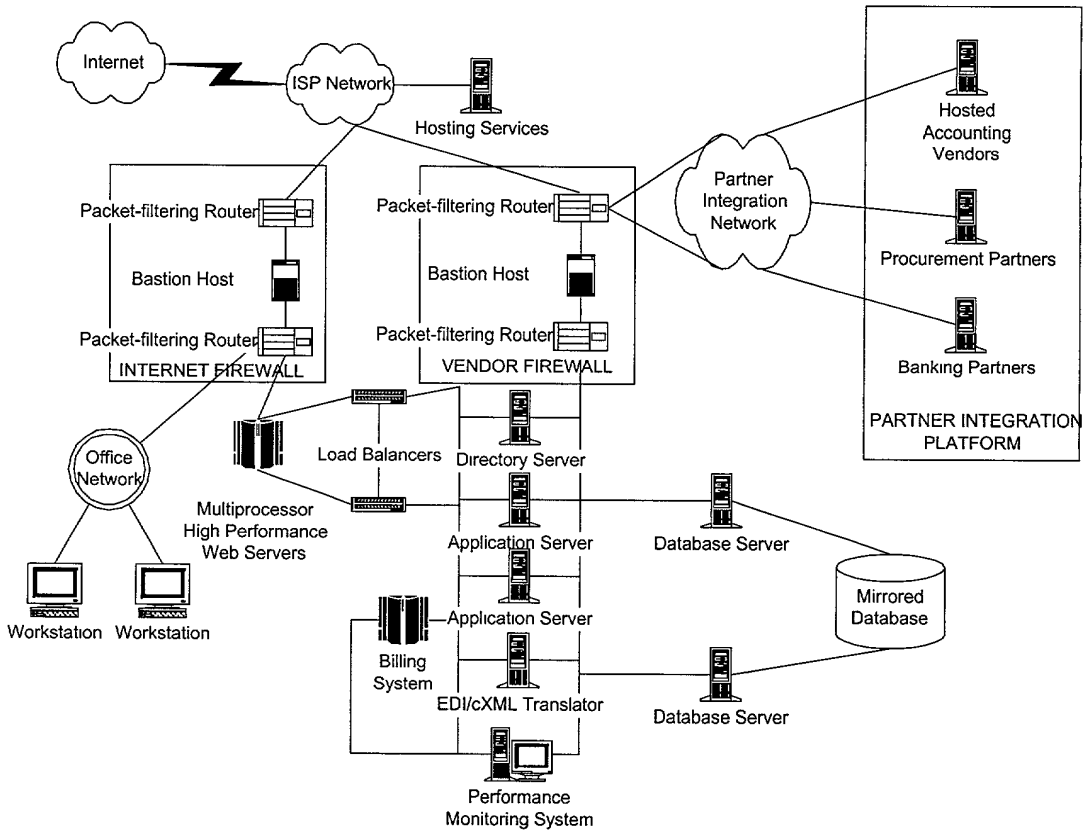


Figure 9

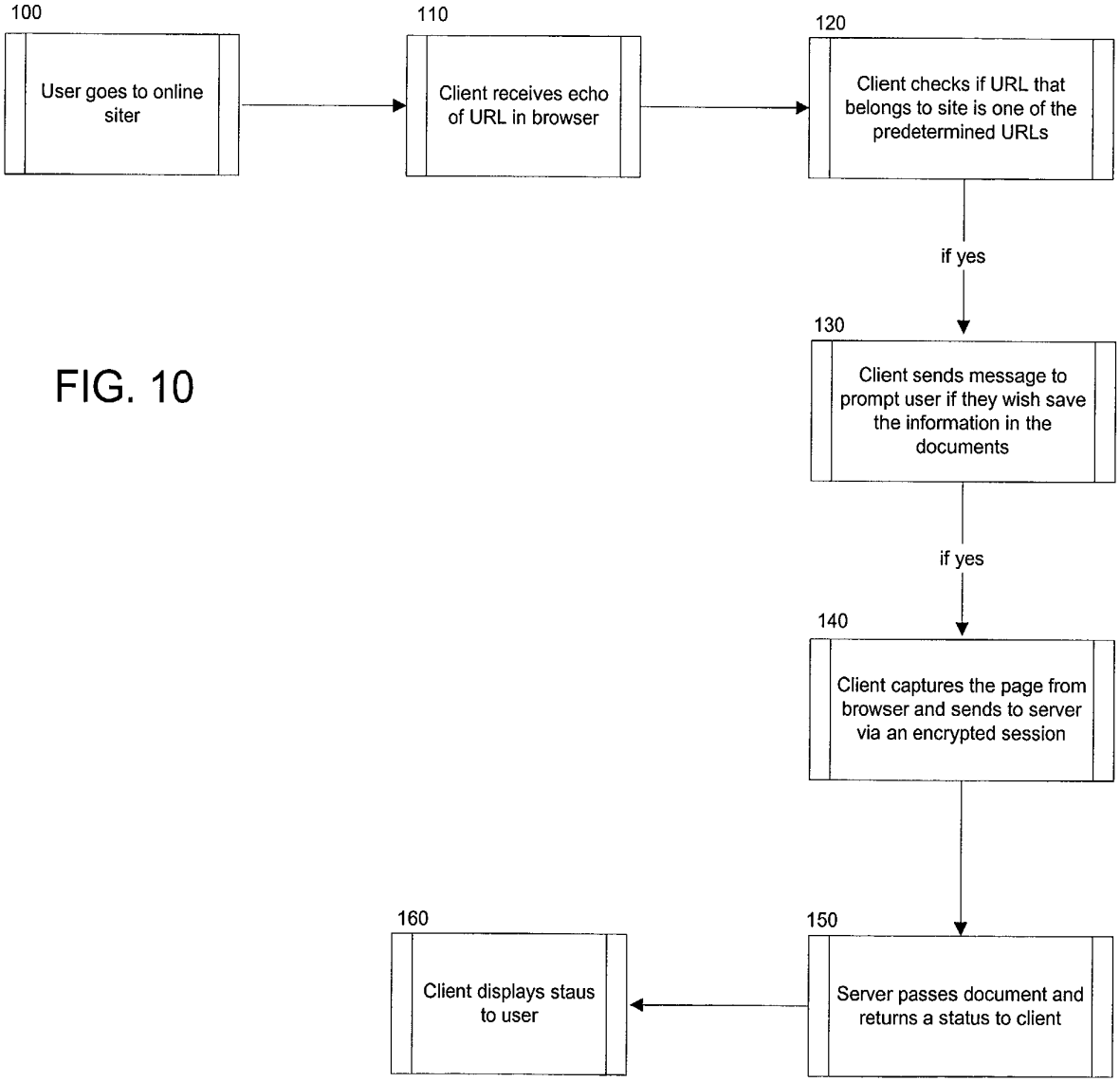
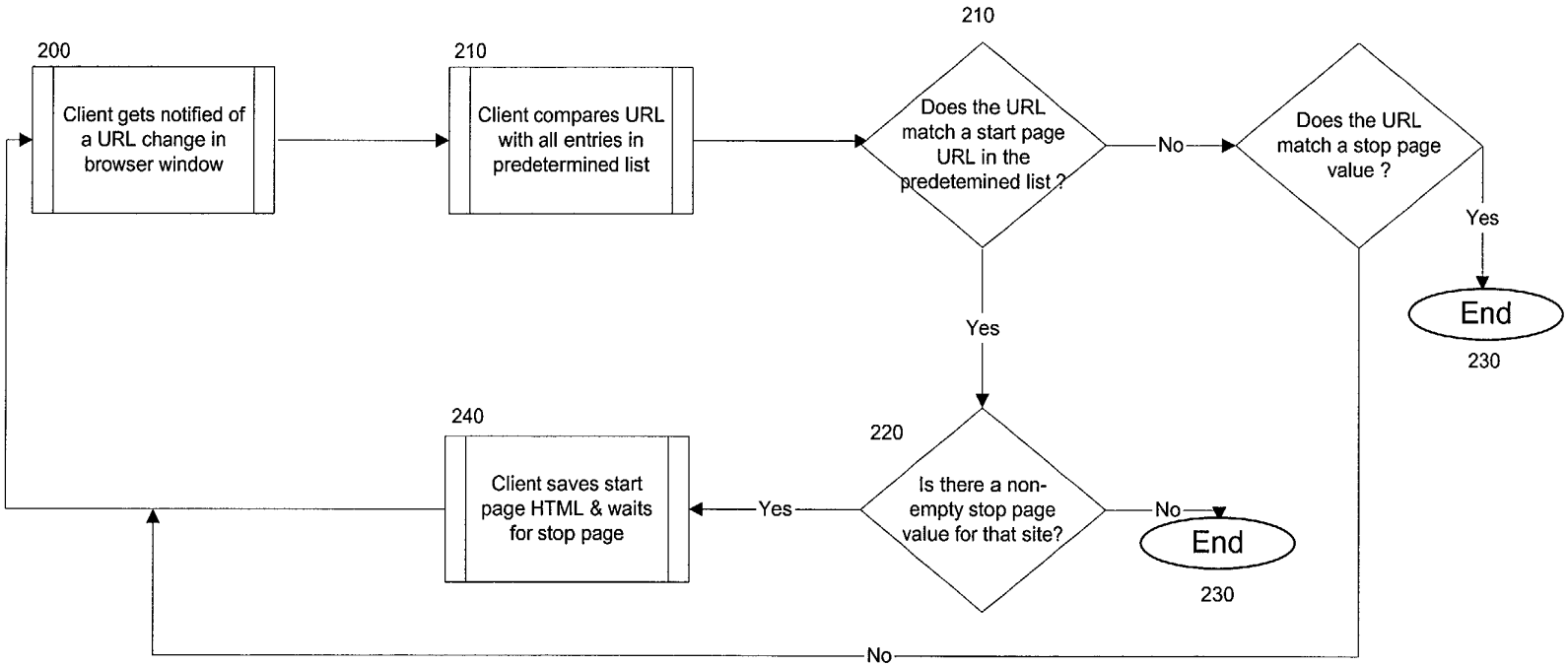

100
User goes to online siter
110
Client receives echo of URL in browser
120
Client checks if URL that belongs to site is one of the predetermined URLs
if yes
130
Client sends message to prompt user if they wish save the information in the documents
if yes
140
Client captures the page from browser and sends to server via an encrypted session
150
Server passes document and returns a status to client
160
Client displays staus to user

FIG. 10

Fig. 11


200
Client gets notified of a URL change in browser window
210
Client compares URL with all entries in predetermined list
210
Does the URL match a start page URL in the predetemined list ?
No
Does the URL match a stop page value ?
Yes
End
230
Yes
240
Client saves start page HTML & waits for stop page
220
Is there a non-empty stop page value for that site?
Yes
No
End
230
No

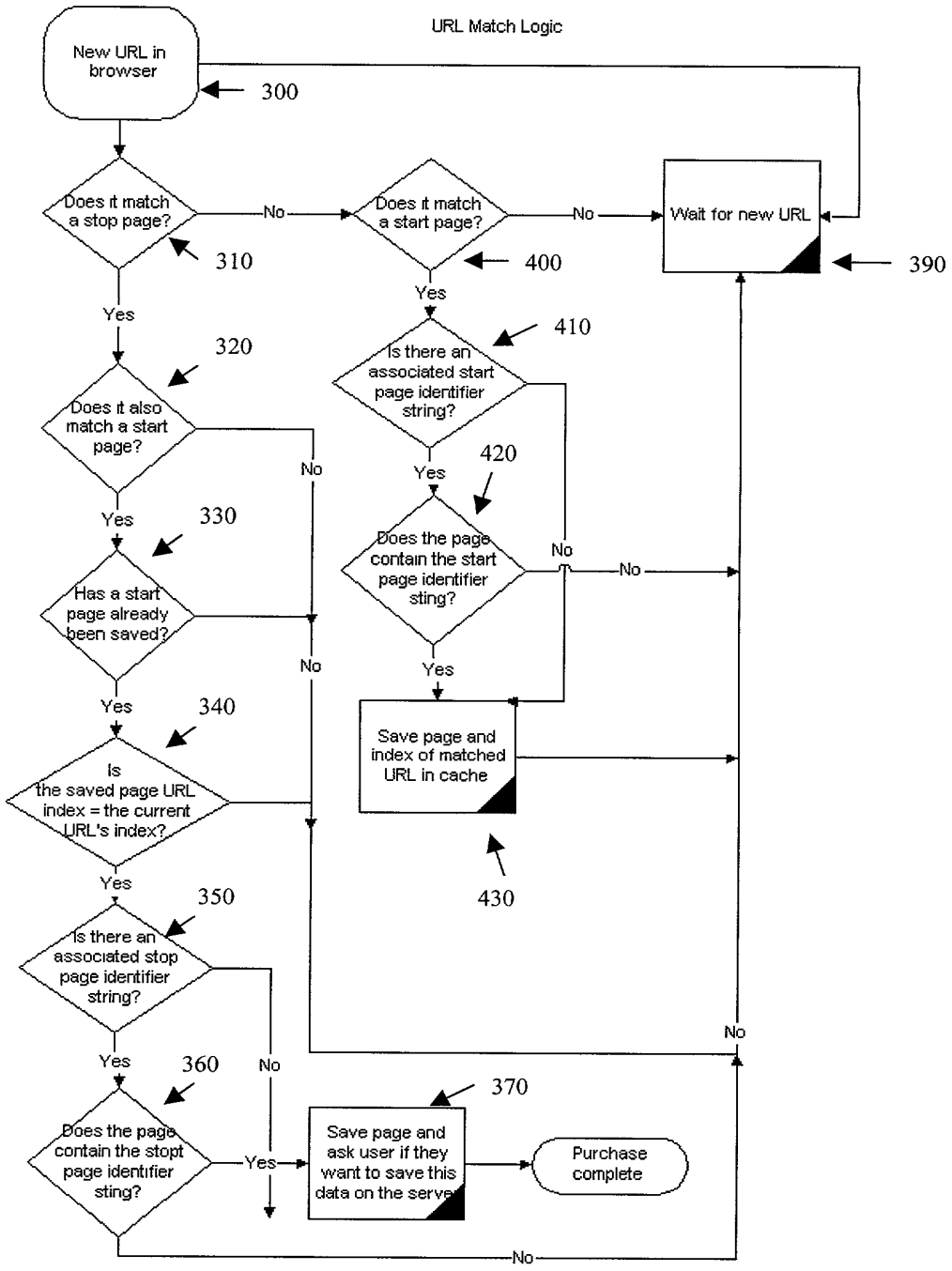

URL Match Logic
New URL in browser
300
Does it match a stop page?
310
No
Does it match a start page?
400
No
Wait for new URL
390
Yes
Yes
320
Does it also match a start page?
No
Yes
330
Has a start page already been saved?
No
Yes
340
Is the saved page URL index = the current URL's index?
No
Yes
350
Is there an associated stop page identifier string?
No
Yes
360
Does the page contain the stopt page identifier sting?
Yes
370
Save page and ask user if they want to save this data on the serve
Purchase complete
No
Yes
410
Is there an associated start page identifier string?
Yes
420
Does the page contain the start page identifier sting?
No
No
Yes
Save page and index of matched URL in cache
430
No

FIG. 12

Fig. 13

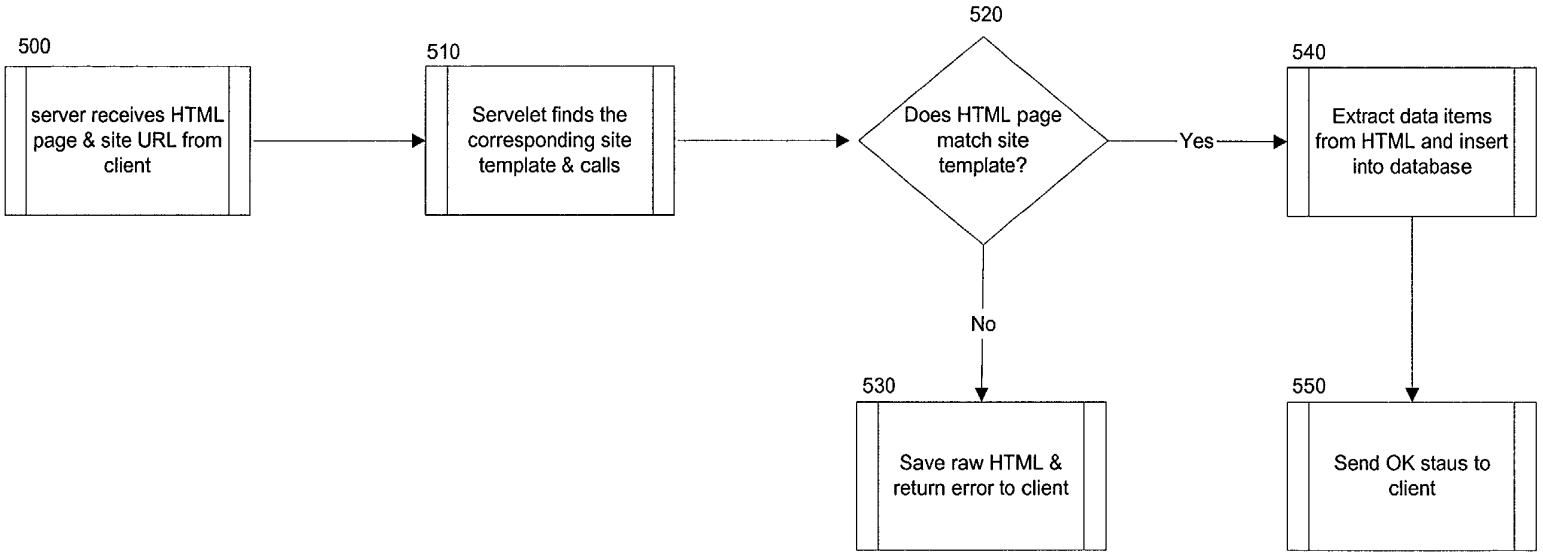
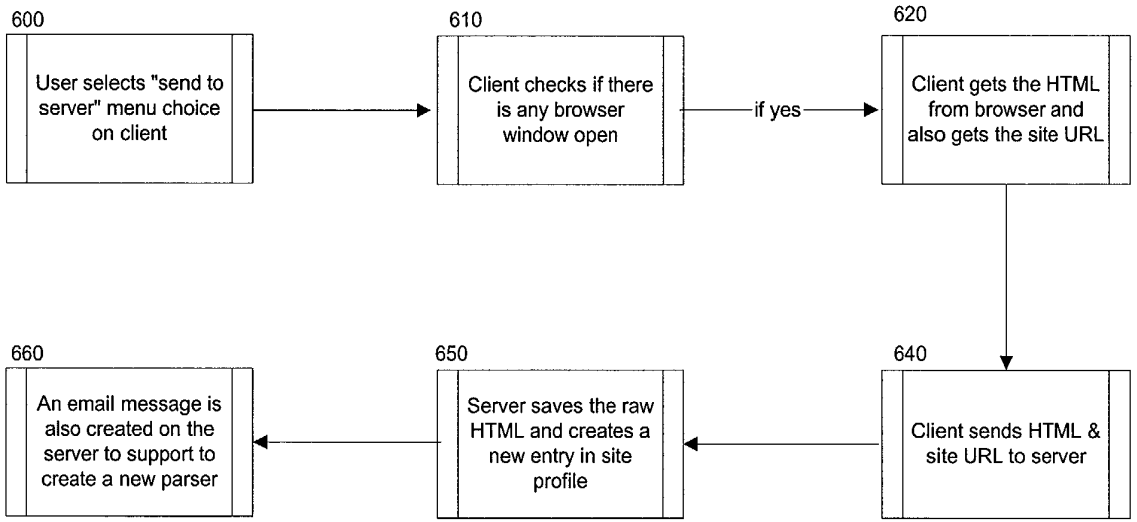

500
server receives HTML page & site URL from client
510
Servelet finds the corresponding site template & calls
520
Does HTML page match site template?
Yes
No
540
Extract data items from HTML and insert into database
530
Save raw HTML & return error to client
550
Send OK staus to client

FIG. 14


600
User selects "send to server" menu choice on client
610
Client checks if there is any browser window open
if yes
620
Client gets the HTML from browser and also gets the site URL
640
Client sends HTML & site URL to server
650
Server saves the raw HTML and creates a new entry in site profile
660
An email message is also created on the server to support to create a new parser

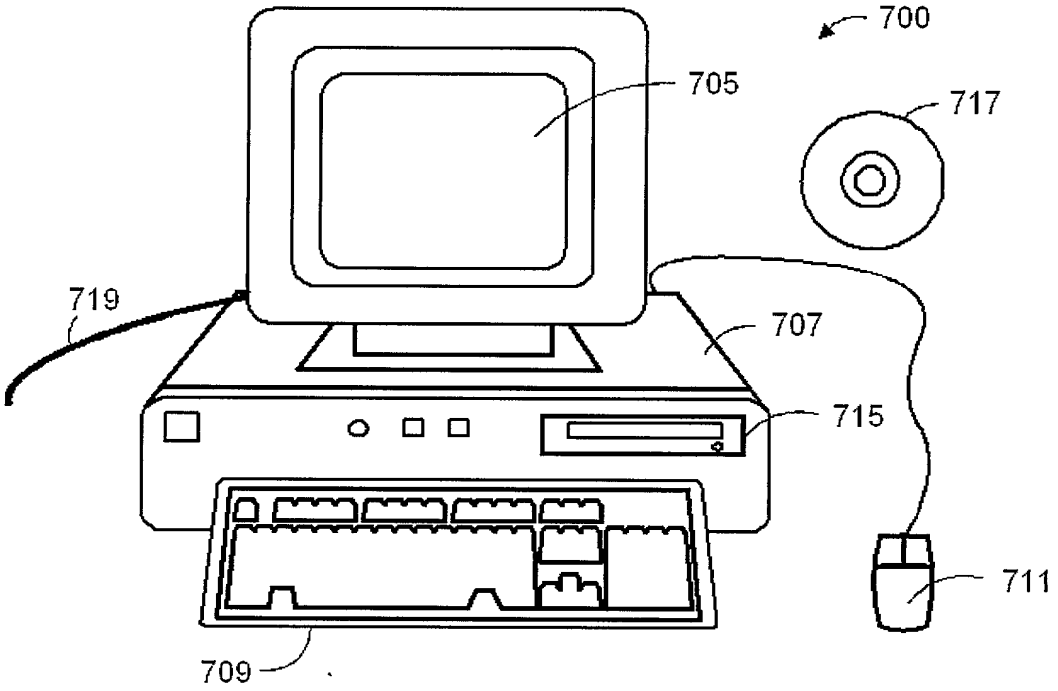


Figure 15